MICROH
PROFESSIONAL PRODUCTS

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USER MANUAL

LED SLIM P64

Keep this manual for future reference.

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1. INTRODUCTION AND UNPACKING

Thank you for purchasing the MICROH LED SLIM P64 wash fixture. For your own safety and knowledge, please read this manual before installing or operating the device. This manual covers the important information on installation and applications. Please install and operate the fixture according to instructions. Meanwhile, please keep this manual for future reference.

The MICROH LED SLIM P64 wash fixture is made of a new type of high temperature cast aluminum casing. The fixture is designed and manufactured strictly following CE standards, complying with international standard DMX512 protocol. This fixture is applicable but not limited to large-scale live performances, theater, studio, nightclubs and discos.

The MICROH LED SLIM P64 wash fixture uses 181 x 10mm LED's (36 red, 85 green, 60 blue), which feature high brightness and stability. Please carefully unpack it when you receive the fixture and check if it was damaged during the transportation. And please check whether the following items are included inside the box:

Fixture – One Power Cord – One User Manual – One

2. SAFTEY INSTRUCTIONS

This device has left the factory in perfect condition. In order to maintain this condition and to ensure safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.

Important:
Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.

If the device has been exposed to temperature changes, do not switch it on immediately. The arising condensation could damage the device. Leave the device switched off until it has reached room temperature, and is dry.

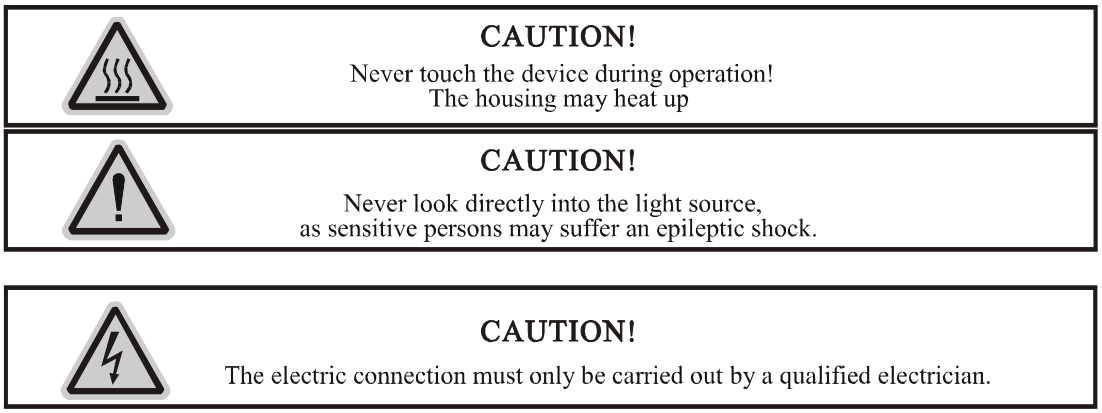
This device falls under protection-class I, therefore it is essential that the device be grounded. The electrical connection must be carried out by a qualified technician.

The device should only be used with rate voltage and frequency. Make sure that the available voltage is not higher than 120V as stated at the end of this manual.

Make sure the power cord is never crimped or damaged in any way, as this could cause shock and damage. If your power chord is damaged in any way, please purchase a new cable from your local MICROH dealer. Always disconnect power, when the device is not in use or before cleaning it. Never pull out the plug by tugging the power cord.

During initial start-up, some smoke or smell may arise. This is a normal process, and does not necessarily mean that the device is defective. It should decrease gradually. Please do not project the beam onto combustible substances.

Fixtures cannot be installed on or near combustible substances. Keep more than 50cm distance from wall for proper ventilation and air flow. If your fixture is or has become damaged in any way, it shall be exclusively replaced or repaired by the manufacturer to avoid any hazard.


CAUTION!
Never touch the device during operation!
The housing may heat up
CAUTION!
Never look directly into the light source,
as sensitive persons may suffer an epileptic shock.
CAUTION!
The electric connection must only be carried out by a qualified electrician.

3. OPERATION INSTRUCTIONS

- Do not turn on the fixture if it has been through severe temperature differences. Damage may occur to the fixture. Wait until unit is at room temperature to operate.

- The unit should be protected from any tremor or agitation during transport.

- Do not expose the fixture in any excessive heat, moisture or any environment with too much dust when installing. Do not lay any power cables on the floor. It may cause electronic shock or damage to persons or equipment.

- Make sure to attach the safety chain and ensure the screws are properly screwed in when installing the fixture.

- Make sure the lens is in good condition. It is recommended to replace the unit if there are any damages or severe scratches.

- Make sure the fixture is operated and installed by qualified personnel.

- Keep the original packaging in case of defective product.

- Any non-manufacturer additions, modifications or changes in any way will void all warranty.

- Please do not attempt to open unit. It is only to be serviced by an authorized technician. If this occurs, or is apparent, the warranty will be voided.

- The fixture’s warranty will be voided if there are any malfunctions from not following the user manual or any illegal operation (shock short circuit, electronic shock, lamp broke, etc.)

- To keep the LED display always on press MODE & UP simultaneously. Press MODE & OFF simultaneously for the LED display to auto shut off after 20 seconds of inactivity.

- This unit has a total of 7 operating modes: **Master/Slave, Auto, DMX, Sound Active, Colour Fade, Colour Chase and Static Colour.**

MASTER/SLAVE MODE

- By connecting the 3 pin DMX, you can daisy chain up to 30 units on master/ slave mode. Daisy chain the fixtures together by plugging from the DMX output of the first fixture into the DMX input of the second fixture, and so on…

- On your Master fixture set the unit to either AUTO or SOUND control and select one of the internal programs.

- All slave lights must be set "S.L.A."

AUTO-RUN MODE

- Press MODE and select "A. - -". This will auto run through colour change and colour fade programs.

DMX MODE

- Press MODE and select "X X X" (X X X=001-512). The first fixture covers 4 DMX channels. Use the UP and DOWN buttons to select your desired address.

SOUND ACTIVE MODE

- Press MODE and select "S.XX" (XX =00-31). Choose the level of sound sensitivity desired by pressing UP or DOWN buttons.

COLOUR FADE MODE

- Press MODE and select "F.X.X" (X X = 01-99). Press UP or DOWN button to adjust the speed of color fade.

COLOUR CHANGE MODE

- Press MODE and select "J. X X" (X X =01-99). Press UP or DOWN button to adjust the speed of color change.

STATIC COLOUR SELECT MODE

- Press MODE and select "C.L.X" (X=0-7). Press UP or DOWN button to select desired colour.

4. MOUNTING AND INSTALLATION

Caution: For added protection, mount the fixtures in areas outside walking paths, seating areas, or in areas were the fixture might be reached by unauthorized personnel. Before mounting the fixture to any surface, make sure that the installation area can hold a minimum point load of 10 times the device's weight. Fixture installation must always be secured with a secondary safety attachment, such as an appropriate safety cable. Never stand directly below the device when mounting, removing, or servicing the fixture.

Whether installing inverted on a truss or ceiling, or set on a flat level surface (see illustration below). Be sure this fixture is kept at least 0.5m (1.5 ft) away from any flammable materials (decoration etc.). Always use and install the supplied safety cable as a safety measure to prevent accidental damage and/or injury in the event the clamp fails.

Mounting Points: Overhead mounting requires extensive experience, including calculating working load limits. A knowledge of the installation material being used, and periodic safety inspection of all installation material and the fixture are all imperative and should only be performed by a qualified technician. Improper installation can result in bodily injury and damage.

Be sure to complete all rigging and installation procedures before connecting the main power cord to the appropriate wall outlet.

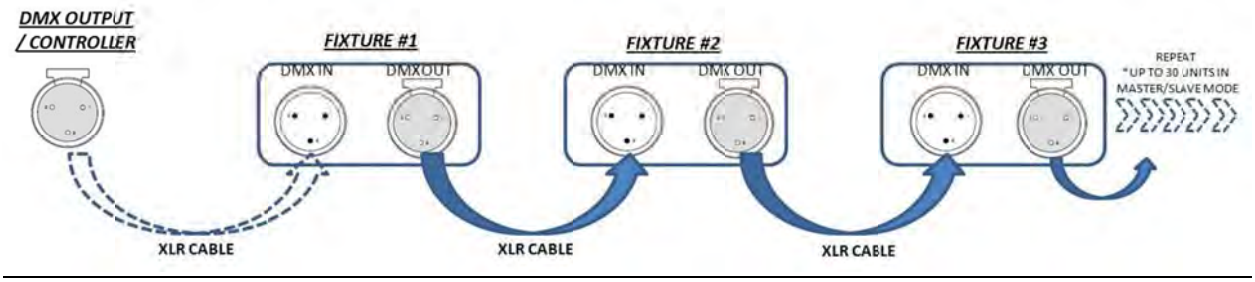
Floor Mounting: Set the 2 brackets at your desired angle and aim your fixture accordingly. Please see diagram below.

Clamp Mounting: The MICROH LED SLIM P64 provides a unique mounting bracket assembly that integrates 2 brackets to be used to mount on a truss or the floor. When mounting this fixture to truss, be sure to secure an appropriately rated clamp to the included bracket fitted through the center hole. As an added safety measure, be sure to attach at least one properly rated safety cable to the fixture.

Regardless of the rigging option you choose for your MICROH SLIM P64 wash fixture, always be sure to secure your fixture with a safety cable. The fixture provides a built-in rigging point for a safety cable on the hanging bracket as illustrated above. Be sure to only use the designated rigging point for the safety cable and never secure a safety cable to a carrying handle.

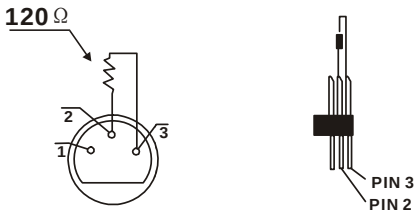
5. DMX-512 CONTROL CONNECTIONS

This fixture complies with international USITT DMX standards and can be used with either a 3 pin or 5 pin DMX connector. Plug in the provided 3 pin XLR cable to the female 3-pin XLR output of your controller and the other side to the male 3-pin XLR input of the MICROH LED SLIM P64. To connect the units to DMX, you must daisy chain the fixtures together as referred in the diagram below. Always end your DMX-512 connection with a DMX terminator.

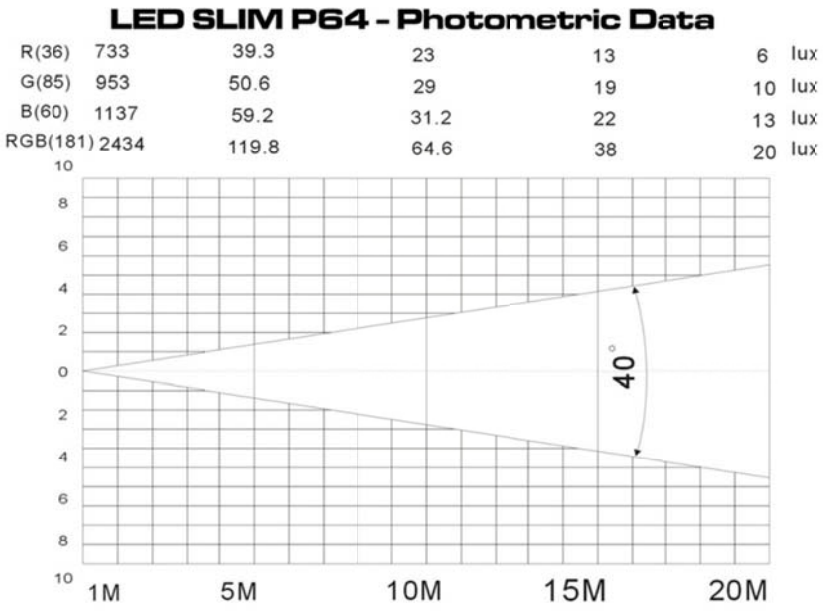


For installations where the DMX cable has to run a long distance, or is in an electrically noisy environment, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control signal by electrical noise. The DMX terminator is

simply an XLR plug with a 120 Ω resistor connected between pins 2 and 3,which is then plugged into the output XLR socket of the last fixture in the chain. Please see illustrations below.



6. PHOTOMETRIC DATA



7. DMX CHANNELS

CHANNEL	VALUE	EFFECT
CH1	000-189	Dimmer(dim→bright)
	190-250	Flash(slow→fast)
	251-255	No function
CH2	000-255	Red(dim→bright)
CH3	000-255	Green(dim→bright)
CH4	000-255	Blue(dim→bright)

8. KEY FEATURES

- 181 x 10mm LEDs (Red 36, Green 85, Blue 60)
- LED SLIM PAR Series all Have a 40º Projection Beam Angle
- 0 - 100% Linear Dimmer with 1-18 Flashes/sec High Speed Electronic Strobe
- 4 DMX Channels
- 3 Pin XLR Input & Output
- Macros, Auto Fade, Chases
- Master/Slave, Auto, DMX, Sound Active, Colour Fade, Colour Chase & Static Colour.
- IEC AC Input & Output
- Double bracket for Floor/Truss Mounting
- Built-in Microphone
- 4 Button Digital LED Display

9. TECHNICAL SPECIFICATIONS

MODEL: LED SLIM P64
LAMP: 181 x 10mm LEDs (Red 36, Green 85, Blue 60)
OPERATING TEMPERATURE: -25°C to 45°C
VOLTAGE: 120VAC 60Hz
FUSE: 2A 250V GMA
MAX: 30W
DIMENSIONS: 8.75” x 2.5” x 11”/ 222 x 64 x 279mm
PACKING DIMENSIONS: 13.5” x 12.5” x 6.75” / 343 x 318 x 171 mm
NET WEIGHT: 4.85 lbs / 2.2 kg
GROSS WEIGHT: 6.95 lbs / 3.15 kg
WARRANTY: 2 Year Limited Warranty

10. MAINTENANCE AND CLEANING

The following points have to be considered during the inspection:

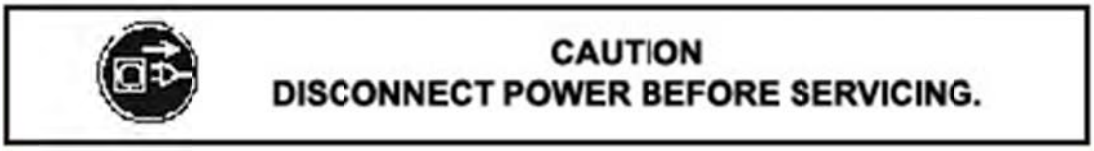
1) All screws for installing the device or parts of the device must be tightly connected, and must not be corroded.

2) There must not be any deformations on the housing, colour lenses, fixations or installation spots (ceiling, suspension, trussing).

3) Mechanically moved parts must not show any traces of wearing and must not rotate with unbalances.

4) The electric power supply cables must not show any damage, material fatigue or sediments.

Further instructions depending on the installation spot and usage must be handled by a skilled installer or technician. Any safety issues must be resolved.



In order to keep the fixture in good condition and extend the life, we suggest regular cleaning to the fixture.

1) Clean the inside and outside lens each week to avoid the light output from darkening due to accumulation of dust, dirt, etc.

2) Clean the fan each week.

3) A detailed electrical check by approved technician every three months is advised. Ensure the circuit contacts are in good condition, and prevent from overheating.

We recommend a frequent cleaning of the device. Please use a moist, lint- free cloth. Never use alcohol or solvents.

There are no serviceable parts inside the device. Please refer to the instructions under “Installation instructions”.

Should you need any spare parts, please order genuine MICROH parts from your local dealer.

IF YOU SHOULD EXPERIENCE ANY PROBLEMS OR ISSUES PLEASE CONTACT MICROH PROFESSIONAL PRODUCTS BY EMAIL AT info@microhpro.com

In the event that your unit is defective in any way, please contact your local dealer to obtain an RA number for service repair.

DISCLAIMER – MICROH believes that the information contained within this user manual is accurate. However, Microh is not responsible for any error or addendums to this manual. If you have any comments or general suggestions on how this manual can be improved please contact info@microhpro.com. Thank you.

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